Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/22/2018 10:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125820	0	1.64	125696	1.62
Blue	F	SSC	125000	121644	-3	2.79	122015	2.50
Blue	E	FITC	23615	22911	-3	2.63	1018	10.84
Blue	D	PE	26739	26192	-3	2.24	942	10.44
Blue	B	PerCP-Cy5-5	48339	47087	-3	3.58	1357	17.90
Blue	A	PE-Cy7	45021	44364	-2	5.30	684	38.46
Red	C	APC	53064	52251	-2	2.71	3008	9.63
Red	A	APC-Cy7	57175	55986	-3	2.65	1153	11.43
Violet	B	V450	14728	14024	-5	5.18	671	9.75
Violet	A	V500	58621	57395	-3	5.04	2532	7.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20001	2.83	615	1	N/A	N/A	Pass
Blue	F	SSC	60158	1.69	560	14	N/A	N/A	Pass
Blue	E	FITC	115	40.12	552	4	0.0185	135	Pass
Blue	D	PE	205	31.21	542	6	0.1441	263	Pass
Blue	B	PerCP-Cy5-5	212	48.16	642	7	0.0089	115	Pass
Blue	A	PE-Cy7	70	136.86	701	8	0.0102	21	Pass
Red	C	APC	342	28.84	600	3	0.0194	77	Pass
Red	A	APC-Cy7	126	41.18	584	4	0.0052	1509	Pass
Violet	B	V450	81	44.31	466	-4	0.0457	2166	Pass
Violet	A	V500	185	23.96	494	-3	0.0156	893	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.38	-30.90	0.94
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.35
Red	16.90	14.40 - 21.60	N/A	N/A	30.77	31.25	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 13687

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments